

ABSTRACT

An air conditioning system for a motor vehicle having a coolant circuit (1) that contains an electrically driven compressor (2), a condenser (4), an expansion valve (10) and a latent cold accumulator (12). Heat is removed from the latent cold accumulator (12) by the cooling circuit (1); this is referred to as the charging of the latent cold accumulator (12). The system is also equipped with an arrangement for cooling air, which are configured in such a way that heat is removed from the air and supplied to the latent cold accumulator (12). Thus, a cost-effective, efficient air conditioning system can be used, in particular, when the vehicle is stationary.